

## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Detailed information on new independent top signals for TGCT reaching genome-wide significance

File Name: Supplementary Data 2

Description: Summary information for previously published TGCT susceptibility loci.

File Name: Supplementary Data 3

Description: Detailed information on previously published TGCT susceptibility markers

File Name: Supplementary Data 4

Description: Comparison of TGCT identified susceptibility markers with other GWAS

File Name: Supplementary Data 5

Description: Evaluation of potential target genes contained in gene regions corresponding to top signals on autosomes

File Name: Supplementary Data 6

Description: CRVs annotated at gene coding regions or splice sites.

File Name: Supplementary Data 7

Description: Results of TGCT eQTL colocalization analysis

File Name: Supplementary Data 8

Description: Data visualizing the annotation of top signals with information from 36 ENCODE and four in-house sources (Supplementary Table 9 and Supplementary Data 7) can be found at <https://genome.ucsc.edu/s/jpluta/TECAC2020>.

File Name: Supplementary Data 9

Description: Credible risk variants and results of PAINTOR analysis to identify TGCT-associated potential functional variants

File Name: Supplementary Data 10

Description: Summary statistics for the top 10,000 signals